

I. GENERAL

This project involves the installation of an exclusive permissive left turn phase for southbound MD 650 and Venice Drive in Montgomery County. MD 650 is considered to run in a NorthSouth direction

II. INTERSECTION OPERATION

The intersection is to operate in NEMA four (4) phase, semi-traffic-actuated mode. The MD 650 through movements will operate concurrently. The Venice Drive movements will operate concurrently.

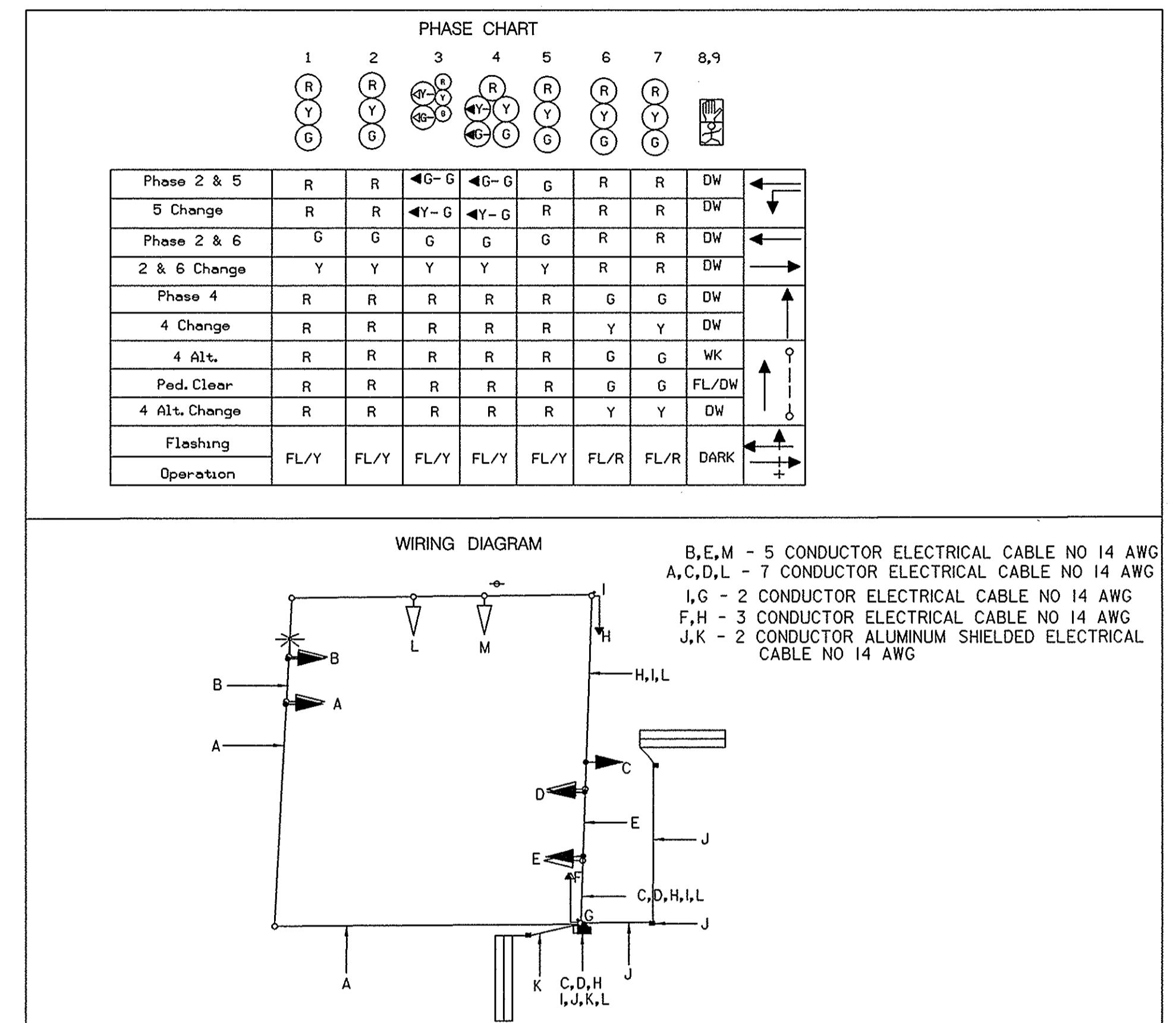
A. Equipment to be supplied by SHA

Item No.	Quantity	Units	Description
9035	2	EA	12 in. one-way, two section pedestrian signal head with side of pole mounting hardware
9045	3	EA	12 in., one-way, three section (R,Y,G) black face traffic signal head with span wire mounting hardware
9051	1	EA	12 in., one-way, five section (R,Y,G,RA,YA) black face traffic signal head with span wire mounting hardware
9054	1	EA	12 in./8 in., one-way, five section (R,Y,G,RA,YA) black face traffic signal head with span wire mounting hardware
9076	1	EA	Cabinet pole mount
9087	1	EA	ASC II Controller, with Montgomery County cabinet package,
9090	38.5	SF	Flat sheet aluminum sign consisting of: 36 in. x 42 in. Left turn yield on green with span wire mounting hardware 48 in. x 72 in. M95-2 Shield assembly sign with pole mounting hardware. 12 in. x 48 in. M95-2 Shield assembly sign with pole mounting hardware.
9096	2	EA	pedestrian push button and (R10-4(t) sign

EQUIPMENT LIST

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Description
1001	Lump Sum	LS	Maintenance of traffic.
5003	200	LF	12 in. wide thermoplastic pavement marking - white for crosswalk.
5004	135	LF	24 in. wide thermoplastic pavement marking - white for stop line.
5007	355	EA	Removal of existing pavement marking - any width.
8011	5	EA	Install signal head.
8018	2	EA	Install pushbutton and sign.
8019	1	EA	Install pole mounted cabinet.
8021	225	LF	Sawcut for signal loop detector.
8023	10	LF	1 in. liquid tight flexible non-metallic conduit for loop detector sleeve.
8024	50	LF	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
8030	30	LF	4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
8032	60	LF	4 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.
8033	3	EA	Handhole.
8040	850	LF	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
8041	275	LF	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
8042	300	LF	2-conductor electrical cable (No. 14 A.W.G.).
8043	275	LF	3-conductor electrical cable (No. 14 A.W.G.).
8044	80	LF	5-conductor electrical cable (No. 14 A.W.G.).
8045	450	LF	7-conductor electrical cable (No. 14 A.W.G.).
8046	300	LF	2-conductor electrical cable TC (No. 12 A.W.G.).
8053	10.5	SF	Install overhead sign.
8059	1	EA	Delivery of removed controller and cabinet
8060	1	EA	Remove and dispose of existing material and equipment per assignment
8068	1	EA	Control and distribution equipment



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 650 AND VENICE DRIVE

DRAWN BY:	F.A.P. NO.	TS NO.	SHEET NO. OF
CHECKED BY:	S.H.A. NO.	2711 A	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	T.I.M.S. NO.	
DATE: 9-14-73	LOG MILE: 15085004.14		